

Wickham, Jerry, Env. Health

From: Green, James [JGreen@haleyaldrich.com]
Sent: Wednesday, October 30, 2013 2:35 PM
To: jrigter@lpfire.org
Cc: Wickham, Jerry, Env. Health; Schwartz, James
Subject: Pleasanton, UST sample Lab results
Attachments: J52933-4 UDS Level 2 Report Final Report.pdf

Hi John,

Attached are the lab results from the UST sample.

No PCBs. Please let me know if you have any questions or comments.

Jim Green

Senior Project Manager

HALEY & ALDRICH

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

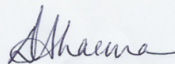
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-52933-4
Client Project/Site: Hansen

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: James Schwartz



Authorized for release by:
10/29/2013 4:51:53 PM

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LINKS

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Job ID: 720-52933-4

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-52933-4

Comments

No additional comments.

Receipt

The sample was received on 10/10/2013 4:10 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.1° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for three (03) analytes to recover outside criteria for this method when a full list spike is utilized. The LCS/LCSD associated with batch #146951 had one (hexachlorocyclopentadiene) analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8270C: The following sample was diluted due to the abundance of non-target analytes: (720-52933-1 DU), AOC3-UST1 (720-52933-1). Elevated reporting limits (RLs) are provided.

Method 8270C: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: (720-52933-1 DU), AOC3-UST1 (720-52933-1).

No other analytical or quality issues were noted.

GC Semi VOA

Method 8082: The following sample was diluted due to the abundance of non-target analytes: (720-53201-6 DU), AOC3-UST1 (720-52933-1), D-5 (720-53201-6). Elevated reporting limits (RLs) are provided.

Method 8082: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: (720-53201-6 DU), AOC3-UST1 (720-52933-1), D-5 (720-53201-6).

No other analytical or quality issues were noted.

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 146996 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Client Sample ID: AOC3-UST1

Lab Sample ID: 720-52933-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	4300		2500		ug/Kg	100		8260B	Total/NA
Ethylbenzene	4000		2500		ug/Kg	100		8260B	Total/NA
Naphthalene	10000		5000		ug/Kg	100		8260B	Total/NA
N-Propylbenzene	5400		2500		ug/Kg	100		8260B	Total/NA
Toluene	8800		2500		ug/Kg	100		8260B	Total/NA
1,2,4-Trimethylbenzene	27000		2500		ug/Kg	100		8260B	Total/NA
1,3,5-Trimethylbenzene	10000		2500		ug/Kg	100		8260B	Total/NA
Xylenes, Total	25000		5000		ug/Kg	100		8260B	Total/NA
Arsenic	5.3		3.7		mg/Kg	4		6010B	Total/NA
Barium	160		1.8		mg/Kg	4		6010B	Total/NA
Cadmium	0.74		0.46		mg/Kg	4		6010B	Total/NA
Chromium	37		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	2.9		0.73		mg/Kg	4		6010B	Total/NA
Copper	110		5.5		mg/Kg	4		6010B	Total/NA
Lead	210		1.8		mg/Kg	4		6010B	Total/NA
Molybdenum	19		1.8		mg/Kg	4		6010B	Total/NA
Nickel	26		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	2.1		1.8		mg/Kg	4		6010B	Total/NA
Zinc	680		5.5		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Client Sample ID: AOC3-UST1

Lab Sample ID: 720-52933-1

Date Collected: 10/10/13 15:00

Matrix: Waste

Date Received: 10/10/13 16:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Acetone	ND		25000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Benzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Dichlorobromomethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Bromobenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Chlorobromomethane	ND		10000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Bromoform	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Bromomethane	ND		5000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
2-Butanone (MEK)	ND		25000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
n-Butylbenzene	4300		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
sec-Butylbenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
tert-Butylbenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Carbon disulfide	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Carbon tetrachloride	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Chlorobenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Chloroethane	ND		5000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Chloroform	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Chloromethane	ND		5000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
2-Chlorotoluene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
4-Chlorotoluene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Chlorodibromomethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,2-Dichlorobenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,3-Dichlorobenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,4-Dichlorobenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,3-Dichloropropane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,1-Dichloropropene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,2-Dibromo-3-Chloropropane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Ethylene Dibromide	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Dibromomethane	ND		5000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Dichlorodifluoromethane	ND		5000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,1-Dichloroethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,2-Dichloroethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,1-Dichloroethene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
cis-1,2-Dichloroethene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
trans-1,2-Dichloroethene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,2-Dichloropropane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
cis-1,3-Dichloropropene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
trans-1,3-Dichloropropene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Ethylbenzene	4000		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Hexachlorobutadiene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
2-Hexanone	ND		25000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Isopropylbenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
4-Isopropyltoluene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Methylene Chloride	ND		5000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
4-Methyl-2-pentanone (MIBK)	ND		25000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Naphthalene	10000		5000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
N-Propylbenzene	5400		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Styrene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,1,1,2-Tetrachloroethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100

TestAmerica Pleasanton

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Client Sample ID: AOC3-UST1

Lab Sample ID: 720-52933-1

Date Collected: 10/10/13 15:00

Matrix: Waste

Date Received: 10/10/13 16:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Tetrachloroethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Toluene	8800		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,2,3-Trichlorobenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,2,4-Trichlorobenzene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,1,1-Trichloroethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,1,2-Trichloroethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Trichloroethene	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Trichlorofluoromethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,2,3-Trichloropropane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,2,4-Trimethylbenzene	27000		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
1,3,5-Trimethylbenzene	10000		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Vinyl acetate	ND		25000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Vinyl chloride	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
Xylenes, Total	25000		5000		ug/Kg		10/23/13 10:00	10/23/13 14:16	100
2,2-Dichloropropane	ND		2500		ug/Kg		10/23/13 10:00	10/23/13 14:16	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		66 - 148	10/23/13 10:00	10/23/13 14:16	100
1,2-Dichloroethane-d4 (Surr)	81		62 - 137	10/23/13 10:00	10/23/13 14:16	100
Toluene-d8 (Surr)	93		65 - 141	10/23/13 10:00	10/23/13 14:16	100

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Bis(2-chloroethyl)ether	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2-Chlorophenol	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
1,3-Dichlorobenzene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
1,4-Dichlorobenzene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Benzyl alcohol	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
1,2-Dichlorobenzene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2-Methylphenol	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Methylphenol, 3 & 4	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
N-Nitrosodi-n-propylamine	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Hexachloroethane	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Nitrobenzene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Isophorone	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2-Nitrophenol	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2,4-Dimethylphenol	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Bis(2-chloroethoxy)methane	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2,4-Dichlorophenol	ND		470		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
1,2,4-Trichlorobenzene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Naphthalene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
4-Chloroaniline	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Hexachlorobutadiene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
4-Chloro-3-methylphenol	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2-Methylnaphthalene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Hexachlorocyclopentadiene	ND *		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2,4,6-Trichlorophenol	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10

TestAmerica Pleasanton

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Client Sample ID: AOC3-UST1

Lab Sample ID: 720-52933-1

Date Collected: 10/10/13 15:00

Matrix: Waste

Date Received: 10/10/13 16:10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2-Chloronaphthalene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2-Nitroaniline	ND		470		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Dimethyl phthalate	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Acenaphthylene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
3-Nitroaniline	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Acenaphthene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2,4-Dinitrophenol	ND		470		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
4-Nitrophenol	ND		490		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Dibenzofuran	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2,4-Dinitrotoluene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2,6-Dinitrotoluene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Diethyl phthalate	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
4-Chlorophenyl phenyl ether	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Fluorene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
4-Nitroaniline	ND		490		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
2-Methyl-4,6-dinitrophenol	ND		470		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
N-Nitrosodiphenylamine	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
4-Bromophenyl phenyl ether	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Hexachlorobenzene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Pentachlorophenol	ND		490		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Phenanthrene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Anthracene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Di-n-butyl phthalate	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Fluoranthene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Pyrene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Butyl benzyl phthalate	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
3,3'-Dichlorobenzidine	ND		240		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Benzo[a]anthracene	ND		490		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Bis(2-ethylhexyl) phthalate	ND		490		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Chrysene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Di-n-octyl phthalate	ND		950		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Benzo[b]fluoranthene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Benzo[a]pyrene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Benzo[k]fluoranthene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Indeno[1,2,3-cd]pyrene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Benzo[g,h,i]perylene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Benzoic acid	ND		490		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Azobenzene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10
Dibenz(a,h)anthracene	ND		96		mg/Kg		10/24/13 14:44	10/24/13 20:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	0	X D	50 - 150	10/24/13 14:44	10/24/13 20:38	10
2-Fluorobiphenyl	0	X D	50 - 150	10/24/13 14:44	10/24/13 20:38	10
Terphenyl-d14	0	X D	50 - 150	10/24/13 14:44	10/24/13 20:38	10
2-Fluorophenol	0	X D	50 - 150	10/24/13 14:44	10/24/13 20:38	10
Phenol-d5	0	X D	50 - 150	10/24/13 14:44	10/24/13 20:38	10
2,4,6-Tribromophenol	0	X D	50 - 150	10/24/13 14:44	10/24/13 20:38	10

TestAmerica Pleasanton

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Client Sample ID: AOC3-UST1

Lab Sample ID: 720-52933-1

Date Collected: 10/10/13 15:00

Matrix: Waste

Date Received: 10/10/13 16:10

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2500		ug/Kg		10/24/13 08:41	10/24/13 12:08	10
PCB-1221	ND		2500		ug/Kg		10/24/13 08:41	10/24/13 12:08	10
PCB-1232	ND		2500		ug/Kg		10/24/13 08:41	10/24/13 12:08	10
PCB-1242	ND		2500		ug/Kg		10/24/13 08:41	10/24/13 12:08	10
PCB-1248	ND		2500		ug/Kg		10/24/13 08:41	10/24/13 12:08	10
PCB-1254	ND		2500		ug/Kg		10/24/13 08:41	10/24/13 12:08	10
PCB-1260	ND		2500		ug/Kg		10/24/13 08:41	10/24/13 12:08	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	0	X D	42 - 147	10/24/13 08:41	10/24/13 12:08	10
DCB Decachlorobiphenyl	0	X D	30 - 148	10/24/13 08:41	10/24/13 12:08	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Arsenic	5.3		3.7		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Barium	160		1.8		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Beryllium	ND		0.37		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Cadmium	0.74		0.46		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Chromium	37		1.8		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Cobalt	2.9		0.73		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Copper	110		5.5		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Lead	210		1.8		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Molybdenum	19		1.8		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Nickel	26		1.8		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Selenium	ND		3.7		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Silver	ND		0.92		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Thallium	ND		1.8		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Vanadium	2.1		1.8		mg/Kg		10/24/13 21:36	10/25/13 15:03	4
Zinc	680		5.5		mg/Kg		10/24/13 21:36	10/25/13 15:03	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0092		mg/Kg		10/23/13 21:48	10/24/13 14:55	1

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-146818/4

Matrix: Waste

Analysis Batch: 146818

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		500		ug/Kg			10/23/13 08:41	100
Acetone	ND		5000		ug/Kg			10/23/13 08:41	100
Benzene	ND		500		ug/Kg			10/23/13 08:41	100
Dichlorobromomethane	ND		500		ug/Kg			10/23/13 08:41	100
Bromobenzene	ND		500		ug/Kg			10/23/13 08:41	100
Chlorobromomethane	ND		2000		ug/Kg			10/23/13 08:41	100
Bromoform	ND		500		ug/Kg			10/23/13 08:41	100
Bromomethane	ND		1000		ug/Kg			10/23/13 08:41	100
2-Butanone (MEK)	ND		5000		ug/Kg			10/23/13 08:41	100
n-Butylbenzene	ND		500		ug/Kg			10/23/13 08:41	100
sec-Butylbenzene	ND		500		ug/Kg			10/23/13 08:41	100
tert-Butylbenzene	ND		500		ug/Kg			10/23/13 08:41	100
Carbon disulfide	ND		500		ug/Kg			10/23/13 08:41	100
Carbon tetrachloride	ND		500		ug/Kg			10/23/13 08:41	100
Chlorobenzene	ND		500		ug/Kg			10/23/13 08:41	100
Chloroethane	ND		1000		ug/Kg			10/23/13 08:41	100
Chloroform	ND		500		ug/Kg			10/23/13 08:41	100
Chloromethane	ND		1000		ug/Kg			10/23/13 08:41	100
2-Chlorotoluene	ND		500		ug/Kg			10/23/13 08:41	100
4-Chlorotoluene	ND		500		ug/Kg			10/23/13 08:41	100
Chlorodibromomethane	ND		500		ug/Kg			10/23/13 08:41	100
1,2-Dichlorobenzene	ND		500		ug/Kg			10/23/13 08:41	100
1,3-Dichlorobenzene	ND		500		ug/Kg			10/23/13 08:41	100
1,4-Dichlorobenzene	ND		500		ug/Kg			10/23/13 08:41	100
1,3-Dichloropropane	ND		500		ug/Kg			10/23/13 08:41	100
1,1-Dichloropropene	ND		500		ug/Kg			10/23/13 08:41	100
1,2-Dibromo-3-Chloropropane	ND		500		ug/Kg			10/23/13 08:41	100
Ethylene Dibromide	ND		500		ug/Kg			10/23/13 08:41	100
Dibromomethane	ND		1000		ug/Kg			10/23/13 08:41	100
Dichlorodifluoromethane	ND		1000		ug/Kg			10/23/13 08:41	100
1,1-Dichloroethane	ND		500		ug/Kg			10/23/13 08:41	100
1,2-Dichloroethane	ND		500		ug/Kg			10/23/13 08:41	100
1,1-Dichloroethene	ND		500		ug/Kg			10/23/13 08:41	100
cis-1,2-Dichloroethene	ND		500		ug/Kg			10/23/13 08:41	100
trans-1,2-Dichloroethene	ND		500		ug/Kg			10/23/13 08:41	100
1,2-Dichloropropane	ND		500		ug/Kg			10/23/13 08:41	100
cis-1,3-Dichloropropene	ND		500		ug/Kg			10/23/13 08:41	100
trans-1,3-Dichloropropene	ND		500		ug/Kg			10/23/13 08:41	100
Ethylbenzene	ND		500		ug/Kg			10/23/13 08:41	100
Hexachlorobutadiene	ND		500		ug/Kg			10/23/13 08:41	100
2-Hexanone	ND		5000		ug/Kg			10/23/13 08:41	100
Isopropylbenzene	ND		500		ug/Kg			10/23/13 08:41	100
4-Isopropyltoluene	ND		500		ug/Kg			10/23/13 08:41	100
Methylene Chloride	ND		1000		ug/Kg			10/23/13 08:41	100
4-Methyl-2-pentanone (MIBK)	ND		5000		ug/Kg			10/23/13 08:41	100
Naphthalene	ND		1000		ug/Kg			10/23/13 08:41	100
N-Propylbenzene	ND		500		ug/Kg			10/23/13 08:41	100
Styrene	ND		500		ug/Kg			10/23/13 08:41	100

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-146818/4

Matrix: Waste

Analysis Batch: 146818

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500		ug/Kg			10/23/13 08:41	100
1,1,2,2-Tetrachloroethane	ND		500		ug/Kg			10/23/13 08:41	100
Tetrachloroethene	ND		500		ug/Kg			10/23/13 08:41	100
Toluene	ND		500		ug/Kg			10/23/13 08:41	100
1,2,3-Trichlorobenzene	ND		500		ug/Kg			10/23/13 08:41	100
1,2,4-Trichlorobenzene	ND		500		ug/Kg			10/23/13 08:41	100
1,1,1-Trichloroethane	ND		500		ug/Kg			10/23/13 08:41	100
1,1,2-Trichloroethane	ND		500		ug/Kg			10/23/13 08:41	100
Trichloroethene	ND		500		ug/Kg			10/23/13 08:41	100
Trichlorofluoromethane	ND		500		ug/Kg			10/23/13 08:41	100
1,2,3-Trichloropropane	ND		500		ug/Kg			10/23/13 08:41	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500		ug/Kg			10/23/13 08:41	100
1,2,4-Trimethylbenzene	ND		500		ug/Kg			10/23/13 08:41	100
1,3,5-Trimethylbenzene	ND		500		ug/Kg			10/23/13 08:41	100
Vinyl acetate	ND		5000		ug/Kg			10/23/13 08:41	100
Vinyl chloride	ND		500		ug/Kg			10/23/13 08:41	100
Xylenes, Total	ND		1000		ug/Kg			10/23/13 08:41	100
2,2-Dichloropropane	ND		500		ug/Kg			10/23/13 08:41	100

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		66 - 148		10/23/13 08:41	100
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		10/23/13 08:41	100
Toluene-d8 (Surr)	95		65 - 141		10/23/13 08:41	100

Lab Sample ID: LCS 720-146818/5

Matrix: Waste

Analysis Batch: 146818

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	5000	5500		ug/Kg		110	71 - 146
Acetone	25000	25500		ug/Kg		102	12 - 234
Benzene	5000	4800		ug/Kg		96	76 - 122
Dichlorobromomethane	5000	5330		ug/Kg		107	80 - 131
Bromobenzene	5000	4580		ug/Kg		92	77 - 125
Chlorobromomethane	5000	5220		ug/Kg		104	74 - 134
Bromoform	5000	5470		ug/Kg		109	54 - 149
Bromomethane	5000	6100		ug/Kg		122	14 - 175
2-Butanone (MEK)	25000	28900		ug/Kg		116	58 - 159
n-Butylbenzene	5000	4750		ug/Kg		95	57 - 164
sec-Butylbenzene	5000	4570		ug/Kg		91	62 - 153
tert-Butylbenzene	5000	4610		ug/Kg		92	72 - 136
Carbon disulfide	5000	6020		ug/Kg		120	13 - 151
Carbon tetrachloride	5000	6040		ug/Kg		121	72 - 136
Chlorobenzene	5000	4850		ug/Kg		97	81 - 128
Chloroethane	5000	5510		ug/Kg		110	53 - 124
Chloroform	5000	5240		ug/Kg		105	75 - 133
Chloromethane	5000	5100		ug/Kg		102	43 - 146
2-Chlorotoluene	5000	4580		ug/Kg		92	66 - 143

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-146818/5

Matrix: Waste

Analysis Batch: 146818

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	5000	4510		ug/Kg		90	73 - 136
Chlorodibromomethane	5000	5630		ug/Kg		113	76 - 134
1,2-Dichlorobenzene	5000	4580		ug/Kg		92	77 - 140
1,3-Dichlorobenzene	5000	4660		ug/Kg		93	71 - 135
1,4-Dichlorobenzene	5000	4760		ug/Kg		95	76 - 130
1,3-Dichloropropane	5000	5110		ug/Kg		102	73 - 133
1,1-Dichloropropene	5000	5560		ug/Kg		111	81 - 134
1,2-Dibromo-3-Chloropropane	5000	4750		ug/Kg		95	52 - 156
Ethylene Dibromide	5000	5540		ug/Kg		111	80 - 138
Dibromomethane	5000	5510		ug/Kg		110	76 - 139
Dichlorodifluoromethane	5000	5630		ug/Kg		113	30 - 120
1,1-Dichloroethane	5000	5030		ug/Kg		101	79 - 125
1,2-Dichloroethane	5000	5330		ug/Kg		107	67 - 126
1,1-Dichloroethene	5000	5060		ug/Kg		101	74 - 122
cis-1,2-Dichloroethene	5000	5190		ug/Kg		104	77 - 132
trans-1,2-Dichloroethene	5000	4860		ug/Kg		97	74 - 128
1,2-Dichloropropane	5000	4580		ug/Kg		92	84 - 129
cis-1,3-Dichloropropene	5000	5240		ug/Kg		105	79 - 144
trans-1,3-Dichloropropene	5000	5690		ug/Kg		114	78 - 144
Ethylbenzene	5000	4870		ug/Kg		97	76 - 137
Hexachlorobutadiene	5000	4680		ug/Kg		94	63 - 150
2-Hexanone	25000	24500		ug/Kg		98	63 - 165
Isopropylbenzene	5000	5220		ug/Kg		104	65 - 128
4-Isopropyltoluene	5000	4690		ug/Kg		94	62 - 153
Methylene Chloride	5000	4430		ug/Kg		89	79 - 128
4-Methyl-2-pentanone (MIBK)	25000	24500		ug/Kg		98	66 - 150
Naphthalene	5000	4390		ug/Kg		88	62 - 151
N-Propylbenzene	5000	4570		ug/Kg		91	65 - 144
Styrene	5000	5120		ug/Kg		102	79 - 139
1,1,1,2-Tetrachloroethane	5000	5070		ug/Kg		101	72 - 129
1,1,1,2,2-Tetrachloroethane	5000	4290		ug/Kg		86	69 - 133
Tetrachloroethene	5000	5550		ug/Kg		111	79 - 130
Toluene	5000	4750		ug/Kg		95	77 - 120
1,2,3-Trichlorobenzene	5000	4410		ug/Kg		88	72 - 159
1,2,4-Trichlorobenzene	5000	4590		ug/Kg		92	71 - 163
1,1,1-Trichloroethane	5000	5920		ug/Kg		118	69 - 132
1,1,2-Trichloroethane	5000	5130		ug/Kg		103	80 - 140
Trichloroethene	5000	5130		ug/Kg		103	69 - 129
Trichlorofluoromethane	5000	6550		ug/Kg		131	49 - 140
1,2,3-Trichloropropane	5000	4760		ug/Kg		95	74 - 135
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	5700		ug/Kg		114	66 - 128
1,2,4-Trimethylbenzene	5000	4630		ug/Kg		93	62 - 155
1,3,5-Trimethylbenzene	5000	4670		ug/Kg		93	69 - 142
Vinyl acetate	5000	5990		ug/Kg		120	56 - 200
Vinyl chloride	5000	4660		ug/Kg		93	10 - 118
m-Xylene & p-Xylene	10000	10000		ug/Kg		100	71 - 142
o-Xylene	5000	5140		ug/Kg		103	71 - 142

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-146818/5

Matrix: Waste

Analysis Batch: 146818

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	5000	5760		ug/Kg		115	67 - 146

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		66 - 148
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
Toluene-d8 (Surr)	99		65 - 141

Lab Sample ID: LCSD 720-146818/6

Matrix: Waste

Analysis Batch: 146818

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	5000	5470		ug/Kg		109	71 - 146	1	20
Acetone	25000	24600		ug/Kg		98	12 - 234	3	30
Benzene	5000	4870		ug/Kg		97	76 - 122	2	20
Dichlorobromomethane	5000	5320		ug/Kg		106	80 - 131	0	20
Bromobenzene	5000	4720		ug/Kg		94	77 - 125	3	20
Chlorobromomethane	5000	5210		ug/Kg		104	74 - 134	0	20
Bromoform	5000	5370		ug/Kg		107	54 - 149	2	20
Bromomethane	5000	5850		ug/Kg		117	14 - 175	4	20
2-Butanone (MEK)	25000	27700		ug/Kg		111	58 - 159	4	20
n-Butylbenzene	5000	5020		ug/Kg		100	57 - 164	5	20
sec-Butylbenzene	5000	4800		ug/Kg		96	62 - 153	5	20
tert-Butylbenzene	5000	4830		ug/Kg		97	72 - 136	5	20
Carbon disulfide	5000	5870		ug/Kg		117	13 - 151	3	20
Carbon tetrachloride	5000	5990		ug/Kg		120	72 - 136	1	20
Chlorobenzene	5000	4980		ug/Kg		100	81 - 128	3	20
Chloroethane	5000	5280		ug/Kg		106	53 - 124	4	20
Chloroform	5000	5330		ug/Kg		107	75 - 133	2	20
Chloromethane	5000	4920		ug/Kg		98	43 - 146	4	20
2-Chlorotoluene	5000	4780		ug/Kg		96	66 - 143	4	20
4-Chlorotoluene	5000	4750		ug/Kg		95	73 - 136	5	20
Chlorodibromomethane	5000	5630		ug/Kg		113	76 - 134	0	20
1,2-Dichlorobenzene	5000	4760		ug/Kg		95	77 - 140	4	20
1,3-Dichlorobenzene	5000	4910		ug/Kg		98	71 - 135	5	20
1,4-Dichlorobenzene	5000	4960		ug/Kg		99	76 - 130	4	20
1,3-Dichloropropane	5000	5150		ug/Kg		103	73 - 133	1	20
1,1-Dichloropropene	5000	5600		ug/Kg		112	81 - 134	1	20
1,2-Dibromo-3-Chloropropane	5000	4890		ug/Kg		98	52 - 156	3	20
Ethylene Dibromide	5000	5520		ug/Kg		110	80 - 138	0	20
Dibromomethane	5000	5550		ug/Kg		111	76 - 139	1	20
Dichlorodifluoromethane	5000	5320		ug/Kg		106	30 - 120	6	20
1,1-Dichloroethane	5000	5100		ug/Kg		102	79 - 125	1	20
1,2-Dichloroethane	5000	5410		ug/Kg		108	67 - 126	1	20
1,1-Dichloroethane	5000	5060		ug/Kg		101	74 - 122	0	20
cis-1,2-Dichloroethane	5000	5210		ug/Kg		104	77 - 132	0	20
trans-1,2-Dichloroethane	5000	4950		ug/Kg		99	74 - 128	2	20
1,2-Dichloropropane	5000	4720		ug/Kg		94	84 - 129	3	20

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-146818/6

Matrix: Waste

Analysis Batch: 146818

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	5000	5440		ug/Kg		109	79 - 144	4	20
trans-1,3-Dichloropropene	5000	5650		ug/Kg		113	78 - 144	1	20
Ethylbenzene	5000	5020		ug/Kg		100	76 - 137	3	20
Hexachlorobutadiene	5000	4980		ug/Kg		100	63 - 150	6	20
2-Hexanone	25000	22700		ug/Kg		91	63 - 165	7	20
Isopropylbenzene	5000	5270		ug/Kg		105	65 - 128	1	20
4-Isopropyltoluene	5000	4940		ug/Kg		99	62 - 153	5	20
Methylene Chloride	5000	4350		ug/Kg		87	79 - 128	2	20
4-Methyl-2-pentanone (MIBK)	25000	23100		ug/Kg		93	66 - 150	6	20
Naphthalene	5000	4610		ug/Kg		92	62 - 151	5	20
N-Propylbenzene	5000	4810		ug/Kg		96	65 - 144	5	20
Styrene	5000	5180		ug/Kg		104	79 - 139	1	20
1,1,1,2-Tetrachloroethane	5000	5150		ug/Kg		103	72 - 129	2	20
1,1,1,2-Tetrachloroethane	5000	4370		ug/Kg		87	69 - 133	2	20
Tetrachloroethene	5000	5590		ug/Kg		112	79 - 130	1	20
Toluene	5000	4930		ug/Kg		99	77 - 120	4	20
1,2,3-Trichlorobenzene	5000	4670		ug/Kg		93	72 - 159	6	20
1,2,4-Trichlorobenzene	5000	4990		ug/Kg		100	71 - 163	8	20
1,1,1-Trichloroethane	5000	5880		ug/Kg		118	69 - 132	1	20
1,1,2-Trichloroethane	5000	5140		ug/Kg		103	80 - 140	0	20
Trichloroethene	5000	5210		ug/Kg		104	69 - 129	2	20
Trichlorofluoromethane	5000	6270		ug/Kg		125	49 - 140	4	20
1,2,3-Trichloropropane	5000	4810		ug/Kg		96	74 - 135	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	5510		ug/Kg		110	66 - 128	3	20
1,2,4-Trimethylbenzene	5000	4840		ug/Kg		97	62 - 155	4	20
1,3,5-Trimethylbenzene	5000	4890		ug/Kg		98	69 - 142	5	20
Vinyl acetate	5000	5770		ug/Kg		115	56 - 200	4	20
Vinyl chloride	5000	4380		ug/Kg		88	10 - 118	6	20
m-Xylene & p-Xylene	10000	10300		ug/Kg		103	71 - 142	2	20
o-Xylene	5000	5220		ug/Kg		104	71 - 142	2	20
2,2-Dichloropropane	5000	5870		ug/Kg		117	67 - 146	2	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	97		66 - 148
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
Toluene-d8 (Surr)	96		65 - 141

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-146951/1-A

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 146951

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Phenol	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Bis(2-chloroethyl)ether	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2-Chlorophenol	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-146951/1-A

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 146951

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3-Dichlorobenzene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
1,4-Dichlorobenzene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Benzyl alcohol	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
1,2-Dichlorobenzene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2-Methylphenol	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Methylphenol, 3 & 4	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
N-Nitrosodi-n-propylamine	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Hexachloroethane	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Nitrobenzene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Isophorone	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2-Nitrophenol	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2,4-Dimethylphenol	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Bis(2-chloroethoxy)methane	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2,4-Dichlorophenol	ND		9.9		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
1,2,4-Trichlorobenzene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Naphthalene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
4-Chloroaniline	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Hexachlorobutadiene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
4-Chloro-3-methylphenol	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2-Methylnaphthalene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Hexachlorocyclopentadiene	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2,4,6-Trichlorophenol	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2,4,5-Trichlorophenol	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2-Chloronaphthalene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2-Nitroaniline	ND		9.9		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Dimethyl phthalate	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Acenaphthylene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
3-Nitroaniline	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Acenaphthene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2,4-Dinitrophenol	ND		9.9		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
4-Nitrophenol	ND		10		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Dibenzofuran	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2,4-Dinitrotoluene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2,6-Dinitrotoluene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Diethyl phthalate	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
4-Chlorophenyl phenyl ether	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Fluorene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
4-Nitroaniline	ND		10		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
2-Methyl-4,6-dinitrophenol	ND		9.9		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
N-Nitrosodiphenylamine	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
4-Bromophenyl phenyl ether	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Hexachlorobenzene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Pentachlorophenol	ND		10		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Phenanthrene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Anthracene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Di-n-butyl phthalate	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Fluoranthene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Pyrene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-146951/1-A

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 146951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		5.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
3,3'-Dichlorobenzidine	ND		5.1		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Benzo[a]anthracene	ND		10		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Bis(2-ethylhexyl) phthalate	ND		10		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Chrysene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Di-n-octyl phthalate	ND		20		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Benzo[b]fluoranthene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Benzo[a]pyrene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Benzo[k]fluoranthene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Indeno[1,2,3-cd]pyrene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Benzo[g,h,i]perylene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Benzoic acid	ND		10		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Azobenzene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1
Dibenz(a,h)anthracene	ND		2.0		mg/Kg		10/24/13 14:44	10/24/13 20:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	88		50 - 150	10/24/13 14:44	10/24/13 20:14	1
2-Fluorobiphenyl	88		50 - 150	10/24/13 14:44	10/24/13 20:14	1
Terphenyl-d14	91		50 - 150	10/24/13 14:44	10/24/13 20:14	1
2-Fluorophenol	66		50 - 150	10/24/13 14:44	10/24/13 20:14	1
Phenol-d5	77		50 - 150	10/24/13 14:44	10/24/13 20:14	1
2,4,6-Tribromophenol	104		50 - 150	10/24/13 14:44	10/24/13 20:14	1

Lab Sample ID: LCS 720-146951/2-A

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 146951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	40.0	31.8		mg/Kg		80	50 - 130
Bis(2-chloroethyl)ether	40.0	29.9		mg/Kg		75	50 - 130
2-Chlorophenol	40.0	32.2		mg/Kg		81	50 - 130
1,3-Dichlorobenzene	40.0	30.3		mg/Kg		76	50 - 130
1,4-Dichlorobenzene	40.0	31.6		mg/Kg		79	50 - 130
Benzyl alcohol	40.0	35.4		mg/Kg		88	50 - 130
1,2-Dichlorobenzene	40.0	31.4		mg/Kg		78	50 - 130
2-Methylphenol	40.0	32.1		mg/Kg		80	50 - 130
Methylphenol, 3 & 4	40.0	33.9		mg/Kg		85	50 - 130
N-Nitrosodi-n-propylamine	40.0	34.3		mg/Kg		86	50 - 130
Hexachloroethane	40.0	30.1		mg/Kg		75	50 - 130
Nitrobenzene	40.0	37.7		mg/Kg		94	50 - 130
Isophorone	40.0	34.4		mg/Kg		86	50 - 130
2-Nitrophenol	40.0	35.5		mg/Kg		89	50 - 130
2,4-Dimethylphenol	40.0	35.8		mg/Kg		90	50 - 130
Bis(2-chloroethoxy)methane	40.0	33.4		mg/Kg		84	50 - 130
2,4-Dichlorophenol	40.0	35.3		mg/Kg		88	50 - 130
1,2,4-Trichlorobenzene	40.0	34.7		mg/Kg		87	50 - 130
Naphthalene	40.0	35.5		mg/Kg		89	50 - 130
4-Chloroaniline	40.0	29.5		mg/Kg		74	45 - 130

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-146951/2-A

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 146951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	40.0	40.4		mg/Kg		101	50 - 130
4-Chloro-3-methylphenol	40.0	38.3		mg/Kg		96	50 - 130
2-Methylnaphthalene	40.0	36.0		mg/Kg		90	50 - 130
Hexachlorocyclopentadiene	40.0	16.0	*	mg/Kg		40	50 - 130
2,4,6-Trichlorophenol	40.0	35.8		mg/Kg		90	50 - 130
2,4,5-Trichlorophenol	40.0	37.6		mg/Kg		94	50 - 130
2-Chloronaphthalene	40.0	35.1		mg/Kg		88	50 - 130
2-Nitroaniline	40.0	36.2		mg/Kg		91	50 - 130
Dimethyl phthalate	40.0	37.1		mg/Kg		93	50 - 130
Acenaphthylene	40.0	34.8		mg/Kg		87	50 - 130
3-Nitroaniline	40.0	32.9		mg/Kg		82	50 - 130
Acenaphthene	40.0	36.4		mg/Kg		91	50 - 130
2,4-Dinitrophenol	80.0	76.8		mg/Kg		96	50 - 130
4-Nitrophenol	80.0	96.9		mg/Kg		121	50 - 130
Dibenzofuran	40.0	36.3		mg/Kg		91	50 - 130
2,4-Dinitrotoluene	40.0	40.8		mg/Kg		102	50 - 130
2,6-Dinitrotoluene	40.0	38.7		mg/Kg		97	50 - 130
Diethyl phthalate	40.0	39.7		mg/Kg		99	50 - 130
4-Chlorophenyl phenyl ether	40.0	43.7		mg/Kg		109	50 - 130
Fluorene	40.0	37.8		mg/Kg		95	50 - 130
4-Nitroaniline	40.0	43.0		mg/Kg		107	50 - 130
2-Methyl-4,6-dinitrophenol	80.0	84.7		mg/Kg		106	50 - 130
N-Nitrosodiphenylamine	40.0	37.4		mg/Kg		94	50 - 130
4-Bromophenyl phenyl ether	40.0	39.3		mg/Kg		98	50 - 130
Hexachlorobenzene	40.0	41.4		mg/Kg		103	50 - 130
Pentachlorophenol	80.0	70.3		mg/Kg		88	50 - 130
Phenanthrene	40.0	38.4		mg/Kg		96	50 - 130
Anthracene	40.0	36.6		mg/Kg		92	50 - 130
Di-n-butyl phthalate	40.0	38.1		mg/Kg		95	50 - 130
Fluoranthene	40.0	37.5		mg/Kg		94	50 - 130
Pyrene	40.0	40.8		mg/Kg		102	50 - 130
Butyl benzyl phthalate	40.0	38.8		mg/Kg		97	50 - 130
3,3'-Dichlorobenzidine	40.0	35.4		mg/Kg		89	50 - 130
Benzo[a]anthracene	40.0	36.4		mg/Kg		91	50 - 130
Bis(2-ethylhexyl) phthalate	40.0	45.9		mg/Kg		115	50 - 130
Chrysene	40.0	38.9		mg/Kg		97	50 - 130
Di-n-octyl phthalate	40.0	38.5		mg/Kg		96	50 - 130
Benzo[b]fluoranthene	40.0	40.4		mg/Kg		101	50 - 130
Benzo[a]pyrene	40.0	38.8		mg/Kg		97	50 - 130
Benzo[k]fluoranthene	40.0	38.7		mg/Kg		97	50 - 130
Indeno[1,2,3-cd]pyrene	40.0	39.4		mg/Kg		98	50 - 130
Benzo[g,h,i]perylene	40.0	38.6		mg/Kg		96	50 - 130
Benzoic acid	40.0	40.8		mg/Kg		102	30 - 130
Azobenzene	40.0	37.5		mg/Kg		94	50 - 130
Dibenz(a,h)anthracene	40.0	40.6		mg/Kg		102	50 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	88		50 - 150

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-146951/2-A

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 146951

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	87		50 - 150
Terphenyl-d14	96		50 - 150
2-Fluorophenol	69		50 - 150
Phenol-d5	78		50 - 150
2,4,6-Tribromophenol	111		50 - 150

Lab Sample ID: LCSD 720-146951/3-A

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 146951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Phenol	40.0	31.6		mg/Kg		79	50 - 130	1	30	
Bis(2-chloroethyl)ether	40.0	27.7		mg/Kg		69	50 - 130	8	30	
2-Chlorophenol	40.0	31.6		mg/Kg		79	50 - 130	2	30	
1,3-Dichlorobenzene	40.0	30.6		mg/Kg		77	50 - 130	1	30	
1,4-Dichlorobenzene	40.0	30.3		mg/Kg		76	50 - 130	4	30	
Benzyl alcohol	40.0	35.3		mg/Kg		88	50 - 130	0	30	
1,2-Dichlorobenzene	40.0	31.4		mg/Kg		78	50 - 130	0	30	
2-Methylphenol	40.0	32.3		mg/Kg		81	50 - 130	1	30	
Methylphenol, 3 & 4	40.0	33.8		mg/Kg		84	50 - 130	0	30	
N-Nitrosodi-n-propylamine	40.0	34.1		mg/Kg		85	50 - 130	1	30	
Hexachloroethane	40.0	30.4		mg/Kg		76	50 - 130	1	30	
Nitrobenzene	40.0	37.8		mg/Kg		95	50 - 130	0	30	
Isophorone	40.0	33.6		mg/Kg		84	50 - 130	2	30	
2-Nitrophenol	40.0	34.9		mg/Kg		87	50 - 130	2	30	
2,4-Dimethylphenol	40.0	35.1		mg/Kg		88	50 - 130	2	30	
Bis(2-chloroethoxy)methane	40.0	33.0		mg/Kg		83	50 - 130	1	30	
2,4-Dichlorophenol	40.0	34.7		mg/Kg		87	50 - 130	2	30	
1,2,4-Trichlorobenzene	40.0	34.0		mg/Kg		85	50 - 130	2	30	
Naphthalene	40.0	35.3		mg/Kg		88	50 - 130	1	30	
4-Chloroaniline	40.0	29.5		mg/Kg		74	45 - 130	0	30	
Hexachlorobutadiene	40.0	40.4		mg/Kg		101	50 - 130	0	30	
4-Chloro-3-methylphenol	40.0	37.9		mg/Kg		95	50 - 130	1	30	
2-Methylnaphthalene	40.0	35.8		mg/Kg		89	50 - 130	1	30	
Hexachlorocyclopentadiene	40.0	19.1 *		mg/Kg		48	50 - 130	17	30	
2,4,6-Trichlorophenol	40.0	35.4		mg/Kg		88	50 - 130	1	30	
2,4,5-Trichlorophenol	40.0	36.2		mg/Kg		90	50 - 130	4	30	
2-Chloronaphthalene	40.0	34.5		mg/Kg		86	50 - 130	2	30	
2-Nitroaniline	40.0	35.9		mg/Kg		90	50 - 130	1	30	
Dimethyl phthalate	40.0	36.2		mg/Kg		91	50 - 130	2	30	
Acenaphthylene	40.0	34.1		mg/Kg		85	50 - 130	2	30	
3-Nitroaniline	40.0	33.1		mg/Kg		83	50 - 130	1	30	
Acenaphthene	40.0	35.7		mg/Kg		89	50 - 130	2	30	
2,4-Dinitrophenol	80.0	79.9		mg/Kg		100	50 - 130	4	30	
4-Nitrophenol	80.0	94.3		mg/Kg		118	50 - 130	3	30	
Dibenzofuran	40.0	35.9		mg/Kg		90	50 - 130	1	30	
2,4-Dinitrotoluene	40.0	40.2		mg/Kg		100	50 - 130	2	30	
2,6-Dinitrotoluene	40.0	37.8		mg/Kg		94	50 - 130	2	30	

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-146951/3-A

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 146951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Diethyl phthalate	40.0	38.4		mg/Kg		96	50 - 130	3	30	
4-Chlorophenyl phenyl ether	40.0	42.4		mg/Kg		106	50 - 130	3	30	
Fluorene	40.0	36.7		mg/Kg		92	50 - 130	3	30	
4-Nitroaniline	40.0	42.5		mg/Kg		106	50 - 130	1	30	
2-Methyl-4,6-dinitrophenol	80.0	86.6		mg/Kg		108	50 - 130	2	30	
N-Nitrosodiphenylamine	40.0	36.6		mg/Kg		91	50 - 130	2	30	
4-Bromophenyl phenyl ether	40.0	39.0		mg/Kg		98	50 - 130	1	30	
Hexachlorobenzene	40.0	40.5		mg/Kg		101	50 - 130	2	30	
Pentachlorophenol	80.0	69.0		mg/Kg		86	50 - 130	2	30	
Phenanthrene	40.0	37.6		mg/Kg		94	50 - 130	2	30	
Anthracene	40.0	35.9		mg/Kg		90	50 - 130	2	30	
Di-n-butyl phthalate	40.0	37.7		mg/Kg		94	50 - 130	1	30	
Fluoranthene	40.0	36.8		mg/Kg		92	50 - 130	2	30	
Pyrene	40.0	40.8		mg/Kg		102	50 - 130	0	30	
Butyl benzyl phthalate	40.0	39.1		mg/Kg		98	50 - 130	1	30	
3,3'-Dichlorobenzidine	40.0	34.6		mg/Kg		87	50 - 130	2	30	
Benzo[a]anthracene	40.0	35.7		mg/Kg		89	50 - 130	2	30	
Bis(2-ethylhexyl) phthalate	40.0	44.8		mg/Kg		112	50 - 130	2	30	
Chrysene	40.0	37.2		mg/Kg		93	50 - 130	4	30	
Di-n-octyl phthalate	40.0	37.5		mg/Kg		94	50 - 130	3	30	
Benzo[b]fluoranthene	40.0	35.1		mg/Kg		88	50 - 130	14	30	
Benzo[a]pyrene	40.0	38.3		mg/Kg		96	50 - 130	1	30	
Benzo[k]fluoranthene	40.0	40.0		mg/Kg		100	50 - 130	3	30	
Indeno[1,2,3-cd]pyrene	40.0	37.7		mg/Kg		94	50 - 130	4	30	
Benzo[g,h,i]perylene	40.0	38.6		mg/Kg		96	50 - 130	0	30	
Benzoic acid	40.0	39.2		mg/Kg		98	30 - 130	4	30	
Azobenzene	40.0	37.2		mg/Kg		93	50 - 130	1	30	
Dibenz(a,h)anthracene	40.0	38.8		mg/Kg		97	50 - 130	5	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	86		50 - 150
2-Fluorobiphenyl	86		50 - 150
Terphenyl-d14	96		50 - 150
2-Fluorophenol	67		50 - 150
Phenol-d5	78		50 - 150
2,4,6-Tribromophenol	109		50 - 150

Lab Sample ID: 720-52933-1 DU

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: AOC3-UST1

Prep Type: Total/NA

Prep Batch: 146951

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Phenol	ND		ND		mg/Kg		NC	
Bis(2-chloroethyl)ether	ND		ND		mg/Kg		NC	
2-Chlorophenol	ND		ND		mg/Kg		NC	
1,3-Dichlorobenzene	ND		ND		mg/Kg		NC	
1,4-Dichlorobenzene	ND		ND		mg/Kg		NC	
Benzyl alcohol	ND		ND		mg/Kg		NC	

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-52933-1 DU

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: AOC3-UST1

Prep Type: Total/NA

Prep Batch: 146951

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1,2-Dichlorobenzene	ND		ND		mg/Kg		NC	
2-Methylphenol	ND		ND		mg/Kg		NC	
Methylphenol, 3 & 4	ND		ND		mg/Kg		NC	
N-Nitrosodi-n-propylamine	ND		ND		mg/Kg		NC	
Hexachloroethane	ND		ND		mg/Kg		NC	
Nitrobenzene	ND		ND		mg/Kg		NC	
Isophorone	ND		ND		mg/Kg		NC	
2-Nitrophenol	ND		ND		mg/Kg		NC	
2,4-Dimethylphenol	ND		ND		mg/Kg		NC	
Bis(2-chloroethoxy)methane	ND		ND		mg/Kg		NC	
2,4-Dichlorophenol	ND		ND		mg/Kg		NC	
1,2,4-Trichlorobenzene	ND		ND		mg/Kg		NC	
Naphthalene	ND		ND		mg/Kg		NC	
4-Chloroaniline	ND		ND		mg/Kg		NC	
Hexachlorobutadiene	ND		ND		mg/Kg		NC	
4-Chloro-3-methylphenol	ND		ND		mg/Kg		NC	
2-Methylnaphthalene	ND		ND		mg/Kg		NC	
Hexachlorocyclopentadiene	ND *		ND *		mg/Kg		NC	
2,4,6-Trichlorophenol	ND		ND		mg/Kg		NC	
2,4,5-Trichlorophenol	ND		ND		mg/Kg		NC	
2-Chloronaphthalene	ND		ND		mg/Kg		NC	
2-Nitroaniline	ND		ND		mg/Kg		NC	
Dimethyl phthalate	ND		ND		mg/Kg		NC	
Acenaphthylene	ND		ND		mg/Kg		NC	
3-Nitroaniline	ND		ND		mg/Kg		NC	
Acenaphthene	ND		ND		mg/Kg		NC	
2,4-Dinitrophenol	ND		ND		mg/Kg		NC	
4-Nitrophenol	ND		ND		mg/Kg		NC	
Dibenzofuran	ND		ND		mg/Kg		NC	
2,4-Dinitrotoluene	ND		ND		mg/Kg		NC	
2,6-Dinitrotoluene	ND		ND		mg/Kg		NC	
Diethyl phthalate	ND		ND		mg/Kg		NC	
4-Chlorophenyl phenyl ether	ND		ND		mg/Kg		NC	
Fluorene	ND		ND		mg/Kg		NC	
4-Nitroaniline	ND		ND		mg/Kg		NC	
2-Methyl-4,6-dinitrophenol	ND		ND		mg/Kg		NC	
N-Nitrosodiphenylamine	ND		ND		mg/Kg		NC	
4-Bromophenyl phenyl ether	ND		ND		mg/Kg		NC	
Hexachlorobenzene	ND		ND		mg/Kg		NC	
Pentachlorophenol	ND		ND		mg/Kg		NC	
Phenanthrene	ND		ND		mg/Kg		NC	
Anthracene	ND		ND		mg/Kg		NC	
Di-n-butyl phthalate	ND		ND		mg/Kg		NC	
Fluoranthene	ND		ND		mg/Kg		NC	
Pyrene	ND		ND		mg/Kg		NC	
Butyl benzyl phthalate	ND		ND		mg/Kg		NC	
3,3'-Dichlorobenzidine	ND		ND		mg/Kg		NC	
Benzo[a]anthracene	ND		ND		mg/Kg		NC	

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-52933-1 DU

Matrix: Waste

Analysis Batch: 146933

Client Sample ID: AOC3-UST1

Prep Type: Total/NA

Prep Batch: 146951

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Bis(2-ethylhexyl) phthalate	ND		ND		mg/Kg		NC	
Chrysene	ND		ND		mg/Kg		NC	
Di-n-octyl phthalate	ND		ND		mg/Kg		NC	
Benzo[b]fluoranthene	ND		ND		mg/Kg		NC	
Benzo[a]pyrene	ND		ND		mg/Kg		NC	
Benzo[k]fluoranthene	ND		ND		mg/Kg		NC	
Indeno[1,2,3-cd]pyrene	ND		ND		mg/Kg		NC	
Benzo[g,h,i]perylene	ND		ND		mg/Kg		NC	
Benzoic acid	ND		ND		mg/Kg		NC	
Azobenzene	ND		ND		mg/Kg		NC	
Dibenz(a,h)anthracene	ND		ND		mg/Kg		NC	

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	0	X D	50 - 150
2-Fluorobiphenyl	0	X D	50 - 150
Terphenyl-d14	0	X D	50 - 150
2-Fluorophenol	0	X D	50 - 150
Phenol-d5	0	X D	50 - 150
2,4,6-Tribromophenol	0	X D	50 - 150

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 720-146919/1-A

Matrix: Waste

Analysis Batch: 146912

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 146919

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		250		ug/Kg		10/24/13 08:41	10/24/13 13:31	1
PCB-1221	ND		250		ug/Kg		10/24/13 08:41	10/24/13 13:31	1
PCB-1232	ND		250		ug/Kg		10/24/13 08:41	10/24/13 13:31	1
PCB-1242	ND		250		ug/Kg		10/24/13 08:41	10/24/13 13:31	1
PCB-1248	ND		250		ug/Kg		10/24/13 08:41	10/24/13 13:31	1
PCB-1254	ND		250		ug/Kg		10/24/13 08:41	10/24/13 13:31	1
PCB-1260	ND		250		ug/Kg		10/24/13 08:41	10/24/13 13:31	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	120		42 - 147	10/24/13 08:41	10/24/13 13:31	1
DCB Decachlorobiphenyl	122		30 - 148	10/24/13 08:41	10/24/13 13:31	1

Lab Sample ID: LCS 720-146919/2-A

Matrix: Waste

Analysis Batch: 146912

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 146919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	4000	4790		ug/Kg		120	82 - 151

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 720-146919/2-A
Matrix: Waste
Analysis Batch: 146912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146919

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	114		42 - 147
DCB Decachlorobiphenyl	117		30 - 148

Lab Sample ID: LCSD 720-146919/3-A
Matrix: Waste
Analysis Batch: 146912

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146919

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
PCB-1016	4000	4770		ug/Kg		119	85 - 153	0	20	
PCB-1260	4000	4820		ug/Kg		120	82 - 151	1	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	114		42 - 147
DCB Decachlorobiphenyl	118		30 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-146996/1-A
Matrix: Waste
Analysis Batch: 147059

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146996

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.50		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Arsenic	ND		1.0		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Barium	ND		0.50		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Beryllium	ND		0.10		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Cadmium	ND		0.13		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Chromium	ND		0.50		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Cobalt	ND		0.20		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Copper	ND		1.5		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Lead	ND		0.50		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Molybdenum	ND		0.50		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Nickel	ND		0.50		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Selenium	ND		1.0		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Silver	ND		0.25		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Thallium	ND		0.50		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Vanadium	ND		0.50		mg/Kg		10/24/13 21:36	10/25/13 13:37	1
Zinc	ND		1.5		mg/Kg		10/24/13 21:36	10/25/13 13:37	1

Lab Sample ID: LCS 720-146996/2-A
Matrix: Waste
Analysis Batch: 147059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146996

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Antimony	50.0	47.4		mg/Kg		95	80 - 120	
Arsenic	50.0	49.2		mg/Kg		98	80 - 120	
Barium	50.0	47.4		mg/Kg		95	80 - 120	
Beryllium	50.0	47.6		mg/Kg		95	80 - 120	

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-146996/2-A
Matrix: Waste
Analysis Batch: 147059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	47.8		mg/Kg		96	80 - 120
Chromium	50.0	47.6		mg/Kg		95	80 - 120
Cobalt	50.0	51.0		mg/Kg		102	80 - 120
Copper	50.0	48.1		mg/Kg		96	80 - 120
Lead	50.0	48.9		mg/Kg		98	80 - 120
Molybdenum	50.0	49.6		mg/Kg		99	80 - 120
Nickel	50.0	48.8		mg/Kg		98	80 - 120
Selenium	50.0	46.4		mg/Kg		93	80 - 120
Silver	25.0	23.4		mg/Kg		94	80 - 120
Thallium	50.0	49.1		mg/Kg		98	80 - 120
Vanadium	50.0	46.3		mg/Kg		93	80 - 120
Zinc	50.0	50.2		mg/Kg		100	80 - 120

Lab Sample ID: LCSD 720-146996/3-A
Matrix: Waste
Analysis Batch: 147059

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146996

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	48.1		mg/Kg		96	80 - 120	2	20
Arsenic	50.0	49.1		mg/Kg		98	80 - 120	0	20
Barium	50.0	48.0		mg/Kg		96	80 - 120	1	20
Beryllium	50.0	47.8		mg/Kg		96	80 - 120	0	20
Cadmium	50.0	48.3		mg/Kg		97	80 - 120	1	20
Chromium	50.0	48.1		mg/Kg		96	80 - 120	1	20
Cobalt	50.0	50.9		mg/Kg		102	80 - 120	0	20
Copper	50.0	48.7		mg/Kg		97	80 - 120	1	20
Lead	50.0	49.1		mg/Kg		98	80 - 120	0	20
Molybdenum	50.0	50.0		mg/Kg		100	80 - 120	1	20
Nickel	50.0	49.1		mg/Kg		98	80 - 120	1	20
Selenium	50.0	46.5		mg/Kg		93	80 - 120	0	20
Silver	25.0	23.8		mg/Kg		95	80 - 120	2	20
Thallium	50.0	49.3		mg/Kg		99	80 - 120	1	20
Vanadium	50.0	47.2		mg/Kg		94	80 - 120	2	20
Zinc	50.0	50.1		mg/Kg		100	80 - 120	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-146900/1-A
Matrix: Waste
Analysis Batch: 146965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146900

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		10/23/13 21:48	10/24/13 15:25	1

TestAmerica Pleasanton

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-146900/2-A
Matrix: Waste
Analysis Batch: 146965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.825		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 720-146900/3-A
Matrix: Waste
Analysis Batch: 146965

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 146900

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.842		mg/Kg		101	80 - 120	2	20



QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

GC/MS VOA

Analysis Batch: 146818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	8260B	146869
LCS 720-146818/5	Lab Control Sample	Total/NA	Waste	8260B	
LCSD 720-146818/6	Lab Control Sample Dup	Total/NA	Waste	8260B	
MB 720-146818/4	Method Blank	Total/NA	Waste	8260B	

Prep Batch: 146869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	5030B	

GC/MS Semi VOA

Analysis Batch: 146933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	8270C	146951
720-52933-1 DU	AOC3-UST1	Total/NA	Waste	8270C	146951
LCS 720-146951/2-A	Lab Control Sample	Total/NA	Waste	8270C	146951
LCSD 720-146951/3-A	Lab Control Sample Dup	Total/NA	Waste	8270C	146951
MB 720-146951/1-A	Method Blank	Total/NA	Waste	8270C	146951

Prep Batch: 146951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	3580A	
720-52933-1 DU	AOC3-UST1	Total/NA	Waste	3580A	
LCS 720-146951/2-A	Lab Control Sample	Total/NA	Waste	3580A	
LCSD 720-146951/3-A	Lab Control Sample Dup	Total/NA	Waste	3580A	
MB 720-146951/1-A	Method Blank	Total/NA	Waste	3580A	

GC Semi VOA

Analysis Batch: 146912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	8082	146919
LCS 720-146919/2-A	Lab Control Sample	Total/NA	Waste	8082	146919
LCSD 720-146919/3-A	Lab Control Sample Dup	Total/NA	Waste	8082	146919
MB 720-146919/1-A	Method Blank	Total/NA	Waste	8082	146919

Prep Batch: 146919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	3580A	
LCS 720-146919/2-A	Lab Control Sample	Total/NA	Waste	3580A	
LCSD 720-146919/3-A	Lab Control Sample Dup	Total/NA	Waste	3580A	
MB 720-146919/1-A	Method Blank	Total/NA	Waste	3580A	

Metals

Prep Batch: 146900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	7471A	
LCS 720-146900/2-A	Lab Control Sample	Total/NA	Waste	7471A	
LCSD 720-146900/3-A	Lab Control Sample Dup	Total/NA	Waste	7471A	

TestAmerica Pleasanton

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Metals (Continued)

Prep Batch: 146900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-146900/1-A	Method Blank	Total/NA	Waste	7471A	

Analysis Batch: 146965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	7471A	146900
LCS 720-146900/2-A	Lab Control Sample	Total/NA	Waste	7471A	146900
LCSD 720-146900/3-A	Lab Control Sample Dup	Total/NA	Waste	7471A	146900
MB 720-146900/1-A	Method Blank	Total/NA	Waste	7471A	146900

Prep Batch: 146996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	3050B	
LCS 720-146996/2-A	Lab Control Sample	Total/NA	Waste	3050B	
LCSD 720-146996/3-A	Lab Control Sample Dup	Total/NA	Waste	3050B	
MB 720-146996/1-A	Method Blank	Total/NA	Waste	3050B	

Analysis Batch: 147059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-52933-1	AOC3-UST1	Total/NA	Waste	6010B	146996
LCS 720-146996/2-A	Lab Control Sample	Total/NA	Waste	6010B	146996
LCSD 720-146996/3-A	Lab Control Sample Dup	Total/NA	Waste	6010B	146996
MB 720-146996/1-A	Method Blank	Total/NA	Waste	6010B	146996

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Client Sample ID: AOC3-UST1

Lab Sample ID: 720-52933-1

Date Collected: 10/10/13 15:00

Matrix: Waste

Date Received: 10/10/13 16:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			146869	10/23/13 10:00	PDR	TAL PLS
Total/NA	Analysis	8260B		100	146818	10/23/13 14:16	ASC	TAL PLS
Total/NA	Prep	3580A			146951	10/24/13 14:44	NDU	TAL PLS
Total/NA	Analysis	8270C		10	146933	10/24/13 20:38	MQL	TAL PLS
Total/NA	Prep	3580A			146919	10/24/13 08:41	BB	TAL PLS
Total/NA	Analysis	8082		10	146912	10/24/13 12:08	JZT	TAL PLS
Total/NA	Prep	7471A			146900	10/23/13 21:48	CTD	TAL PLS
Total/NA	Analysis	7471A		1	146965	10/24/13 14:55	EFH	TAL PLS
Total/NA	Prep	3050B			146996	10/24/13 21:36	CTD	TAL PLS
Total/NA	Analysis	6010B		4	147059	10/25/13 15:03	EFH	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PLS
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Hansen

TestAmerica Job ID: 720-52933-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-52933-1	AOC3-UST1	Waste	10/10/13 15:00	10/10/13 16:10

1

2

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11

12

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14

Salimpour, Afsaneh

720-52933-4

From: Sebik, Joanna [JSebik@haleyaldrich.com]
Sent: Monday, October 21, 2013 6:05 PM
To: Salimpour, Afsaneh
Subject: FW: Additional Analyses

Afsaneh,

Would you be able to assist with my request below?

Thank you,

Joanna Sebik
Office: 925.949.1020
Cell: 925.357.7355

From: Sebik, Joanna
Sent: Monday, October 21, 2013 5:56 PM
To: dimple.sharma@testamericainc.com
Cc: Tilotta, Vincent
Subject: Additional Analyses

Dimple,

Is it possible to run sample 720-52933-1 (H&A ID is AOC3-UST1 submitted 10/10) for CAM17 metals, VOCs, and PCBs? I apologize for requesting even more analyses on this sample – we just received the request from the waste contractor. 5 day TAT

Please let me know if we will need a new sample instead.

Thank you!

Joanna Sebik
Engineer
HALEY & ALDRICH
2033 North Main Street, Suite 309
Walnut Creek, CA 94596
Office: 925.949.1020
Cell: 925.357.7355
JSebik@HaleyAldrich.com
www.HaleyAldrich.com



Caparas, Criselda

From: Sharma, Dimple
Sent: Thursday, October 24, 2013 2:16 PM
To: Caparas, Criselda
Subject: FW: additional analysis

Dimple Sharma
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

1220 Quarry Lane
Pleasanton, CA 94566
Tel 925.484.1919 ext. 103 | Fax 925.600.3002
www.testamericainc.com

From: Green, James [mailto:JGreen@haleyaldrich.com]
Sent: Thursday, October 24, 2013 2:15 PM
To: Sharma, Dimple
Subject: additional analysis

Hi Dimple,
As we discussed, for the sample AOC3- UST-1 on report #J52933-1, please add EPA 8270 analysis.

Please contact me if you have questions.

Jim Green
Senior Project Manager
HALEY & ALDRICH
2033 North Main Street, Suite 309
Walnut Creek, CA 94596
Office: 925.949.1016
Cell: 707.373.4913
jgreen@HaleyAldrich.com
www.HaleyAldrich.com



720-52933rev.

Caparas, Criselda

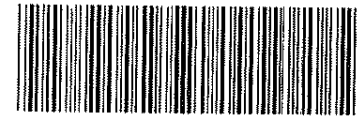
From: Sharma, Dimple
Sent: Thursday, October 24, 2013 2:16 PM
To: Caparas, Criselda
Subject: FW: additional analysis

Dimple Sharma
Project Manager

TestAmerica
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1220 Quarry Lane
Pleasanton, CA 94566
Tel 925.484.1919 ext. 103 | Fax 925.600.3002
www.testamericainc.com

From: Green, James [mailto:JGreen@haleyaldrich.com]
Sent: Thursday, October 24, 2013 2:15 PM
To: Sharma, Dimple
Subject: additional analysis



720-52933 Chain of Custody

Hi Dimple,
As we discussed, for the sample AOC3- UST-1 on report #J52933-1, please add EPA 8270 analysis.

Please contact me if you have questions.

Jim Green
Senior Project Manager
HALEY & ALDRICH
2033 North Main Street, Suite 309
Walnut Creek, CA 94596
Office: 925.949.1016
Cell: 707.373.4913
jgreen@HaleyAldrich.com
www.HaleyAldrich.com



Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 720-52933-4

Login Number: 52933

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

